

CROSS-REFERENCE TO A RELATED APPLICATION

7.
7/15/05

This application is a division of patent application serial no. 09/976,908 filed on October 13, 2001. Now US Patent No. 6,651,741.

BACKGROUND OF THE INVENTION

The present invention relates to oil and gas industry. It involves equipment for a new abrasive hydrojet perforation which offers an effective means to communicate the wellbore with the target formation and to achieve more effective completion due to an increase of flow area, bypassing the damage in a near-wellbore zone and reduction of the compressive stresses. The invention represents a new system for treatment of a near-well zone of producing formation with a combination of chemical treatment.

It is known that the flow from productive zones can be increased by slotting and chemical treatment. Slotting allows redistribution of the mechanical stresses in the near well zone, while chemical treatment allows increased productivity of the wells. However, the first method is very labor consuming and requires high costs. In order to shot three feet of the productive interval some time it is necessary to spend up to three hours of pumping unit operation, which is an expensive operation. The chemical action also treats the near well zone, but it requires a primary opening of the